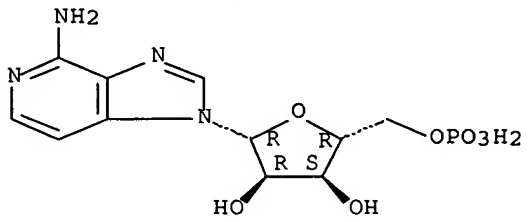
L48 ANSWER 10 OF 11 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 1975:579474 HCAPLUS Full-text
DN 83:179474
OREF 83:28205a,28208a
TI Nucleotides. III. Syntheses of deazaadenosine cyclic 3',5'-phosphates and related nucleotides of biological interest
AU Mizuno, Yoshihisa; Kitano, Shigeru; Nomura, Akihiko
CS Fac. Pharm. Sci., Hokkaido Univ., Sapporo, Japan
SO Chemical & Pharmaceutical Bulletin (1975), 23(8), 1664-70
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English
ED Entered STN: 12 May 1984
GI For diagram(s), see printed CA Issue.
AB 1-Deaza- and 3-deazaadenosine 3',5'-cyclic phosphates (analogs of 3',5'-cyclic phosphate) were synthesized from N6-acetyl-1-deazaadenosine and 3-deazaadenosine, resp. 1- And 3-deazaadenosine phosphates including 1- and 3-deazaadenosine 2',3'-cyclic phosphates (I) were also prepared Both I and II were hydrolyzed to the corresponding nucleoside 3'-phosphate by ribonuclease M. Both 1-deaza- and 3-deazaadenosine 5'-phosphate were hydrolyzed by snake venom 5'-nucleotidase to the respective deazaadenosine; the latter, however, was found to be hydrolyzed much slower.
IT **22626-95-5P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and esterification of, by nitrophenol)
RN 22626-95-5 HCAPLUS
CN 1H-Imidazo[4,5-c]pyridin-4-amine, 1-(5-O-phosphono-β-D-ribofuranosyl)- (CA INDEX NAME)

Absolute stereochemistry.



IT **57024-61-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 57024-61-0 HCAPLUS
CN 1H-Imidazo[4,5-c]pyridin-4-amine, 1-(3,5-O-phosphinico-β-D-ribofuranosyl)- (9CI) (CA INDEX NAME)

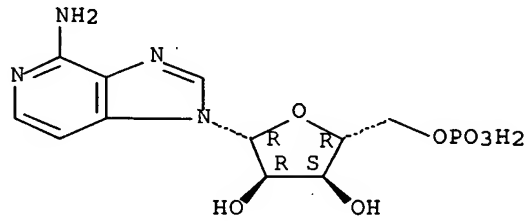
Absolute stereochemistry.

IT 53037-84-6
RL: BIOL (Biological study)
(aminoacyl-tRNA-ribosome binding in relation to)
RN 53037-84-6 HCAPLUS
CN 1H-Imidazo[4,5-c]pyridin-4-amine, 1-(5-O-phosphono-β-D-ribofuranosyl)-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 22626-95-5
CMF C11 H15 N4 O7 P

Absolute stereochemistry.



L57 ANSWER 17 OF 18 HCAPLUS COPYRIGHT 2009 ACS on STN
AN 1975:98870 HCAPLUS Full-text
DN 82:98870
OREF 82:15795a,15798a
TI Deazaadenosine polymers
IN Ikehara, Morio
PA Mitsubishi Chemical Industries Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 49099397	A	19740919	JP 1973-9309	19730122 <--
JP 53043992	B	19781124		
PRAI JP 1973-9309	A	19730122 <--		

ED Entered STN: 12 May 1984
AB 1-Deazaadenosine 5'-diphosphate (I) and/or 3-deazaadenosine 5'-diphosphate were polymerized by polynucleotide phosphorylase (II) [9014-12-4]. Thus, 6 mM I, 2 mM magnesium chloride [7786-30-3] and 4 units/ml II were added into a buffer solution containing 1 mM tris-HCL, mixed with water to 10 ml and pH 9, and heated at 37° for 28 hr to prepare 23% poly(1-deazaadenylic acid) [53037-83-5].
IT 53037-84-6P
RL: IMF (Industrial manufacture); PREP (Preparation)
(manufacture of, catalysts for)
RN 53037-84-6 HCAPLUS
CN 1H-Imidazo[4,5-c]pyridin-4-amine, 1-(5-O-phosphono-β-D-ribofuranosyl)-, homopolymer (9CI) (CA INDEX NAME)

CM 1